



ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES

(UGC AUTONOMOUS)

(Affiliated to AU, Approved by AICTE & Accredited by NBA & NAAC)

Sangivalasa 531 162, Bheemunipatnam Mandal, Visakhapatnam Dist

DEPARTMENT OF CHEMICAL ENGINEERING

Action taken report on the feedback collected on curriculum for the academic year 2021-22

Stakeholder	Suggestions	Action taken
Students	<ol style="list-style-type: none">1. Economics topics can be increased in CPEED course2. Nanotechnology course can be included in curriculum3. Softwares like ASPEN and MATLAB to be included in curriculum4. More industrial visits and trainings need to be provided	<ol style="list-style-type: none">1. It is placed in BoS 2023 for approval2. It is included in curriculum as an elective3. Python and DWSIM are included in the curriculum. ASPEN and MATLAB are being implemented as value added courses4. Industrial trainings are included after 2nd year 2nd semester and 3rd year 2nd semester from R-20 regulations
Faculty	<ol style="list-style-type: none">1. Faculty suggested to add fuel cell topic in CETD course2. Insurance topic can be included in CPEED course3. Drying and leeching equipment may be reduced in Mass Transfer - II course	<ol style="list-style-type: none">1. It will be placed in BoS 2023 for approval2. It will be placed in BoS 2023 for approval3. The syllabus can be reduced and will be placed for approval in BoS 2023
Alumni	<ol style="list-style-type: none">1. A few Alumni suggested to include simulation tools2. A few Alumni suggested to include pharmaceutical related courses	<ol style="list-style-type: none">1. Simulation tool DWSIM is added to curriculum from 2018-19 onwards and python course is added from 2019-20 onwards. Aspen and MATLAB are implemented as value added courses.

Employers	1. Softskills and communication skills need to be improved	1. Measures are taken to improve soft and communication skills for students as a part of curriculum by organizing course presentations, JAM sessions, presentations in conferences and project presentations. From 2021-22, seminar course in 2nd year 2nd semester is included in the curriculum to focus on these skill sets.
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R. Srikanth

Prof. R. Srikanth

HOD

Chemical Engineering

**HEAD,
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R. Srikanth

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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2021-22

Stakeholder	Suggestions	Action Taken
Employers	<ul style="list-style-type: none">• Courses such as Python for Machine learning may be included• Projects related to IoT should be given as mini projects to imbibe the creativity among students	<ul style="list-style-type: none">• Course on "Python Programming" is being organized by the department of ECE as Open Elective for 3rd year students.• Course "ES & IoT" is being offered where mini project related to IoT is given as an assignment for assessment.


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Department of Electrical and Electronics Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-2021

Stakeholder	Suggestions	Action Taken
Employers	<p>Suggested to include the following topics into the curriculum.</p> <ol style="list-style-type: none">1. Tableau and basics of mobile coding.2. Python coding language	<ul style="list-style-type: none">• Python coding language is included in R-19 regulations as an open elective-I approved in the BoS held on 30th March 2019

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Department of Information Technology

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2021-22.....

Stakeholder	Suggestions	Action Taken
Employers	<ol style="list-style-type: none"> 1. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interests and coding skills. 2. Suggested to include advanced topics like R, and Python in curriculum, as it is an on-demand course. 3. New topics like AWS/AZURE needed to be incorporated into the curriculum to make the students' industry ready. 	<ol style="list-style-type: none"> 1.1 GitHub Essentials subject was introduced as a Generalized Minor in R-20. 1.2 Course "DevOps (Elective Lab)" analyze, and deploy applications using GitHub. 2. As suggested, we have Advanced Python, Deep Learning, Data Science, and Elective Labs in our curriculum in the IInd year Ist, IInd semesters in R-19, R-20. 3. Incorporated the new topic as a case study in Cloud Computing in R-19, R-20.

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Department of Mechanical Engineering

Consolidated report of Employer feedback on syllabus/curriculum and action taken (for AY 2021-22)

The feedback collected from the employer through online mode mostly reflects to the introduction of new courses and long duration internship programs. The feedback and the corresponding action are as given below.

1. **Suggestion:** Industry visit has to be mandatory in every semester.

Action taken: The suggestion given by the employer will certainly add value to the Curriculum when implemented. Industry visits are arranged from the second year onwards. There are at least two industrial visits in the four year study, mostly in the 2nd and 3rd years. This is further complemented through industrial internship for a period of 2 weeks and above at the end of 3rd year, which is mandatory and is evaluated in the final year.

2. **Suggestion:** The employer has suggested to incorporate Finite Element Analysis, Robotics, Automation in Manufacturing and Electronics related courses in curriculum.

Action taken: The curriculum is continuously modified coherent with the current trends in industry to mould the students with the necessary skills. The course structure has been streamlined by introducing Robotics, Automation in Manufacturing as elective courses. A basic subject on Electronics was included in the first year itself in R-19 regulations. The fundamentals learned through this course would be useful in learning advanced subjects like Automation in Manufacturing, Robotics and Mechatronics.

- 3 **Suggestion:** Artificial Intelligence needs to be introduced in the curriculum.

Action taken: Artificial Intelligence is introduced as a professional elective in R-20 regulations.

D. G. Ch. Sekhar

Faculty coordinator

6.7.22
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Department of Chemical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Students	1. Students are requested for computer related courses.	1. Python is introduced in Computational Lab in R19 regulation.
Faculty	1. Some topics are available in more than one unit in Process dynamics and Control. 2. Few calculations and derivatives may be Engineering. in Material Science Engineering. 3. Suggested to inculcate medical applications of nanotechnology	1. Repeated topics are skipped and organized syllabus in R19 2. calculations and derivations are included in curriculum and omitted from assessment. 3. It is placed in R19 IV year BOS for approval
Alumni	1. Alumni requested to allow students to choose electives from other departments,	1. Open electives were offered in R15 an R19 curriculum
Employers	1. Industrial Safety and fire fighting techniques to be included. 2. Simulation techniques like Aspen, Pro-II, MATLAB etc.	1. Industrial safety course is included in 3 rd year R19 syllabus. 2. DWSIM software is being used in 4-1 for simulating equipment.

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A. Anil

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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2020-21

Stakeholder	Suggestions	Action Taken
Employers	Thammiraju G suggested to have more exposure on electronic circuits simulator tools. Lacking confidence in presenting & communicating their work in team meetings.	Guest Lecture on "Electrical modeling & Simulation on different kind of Solar Cell like Organic, Perovskite, Tandem, Heterojunction Solar Cell & LED using SETFOS Software" Corporation (APSSDC) is held on 27-08-2021

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Department of ...Information Technology.....


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2020-21.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> 1. Suggested to explore the basic concepts of microprocessors. 2. Suggest to introduce emerging subjects as mandatory courses. 3. Suggested to introduce trending topics as elective subjects. 	<ol style="list-style-type: none"> 1. As per the feedback, we incorporated changes in the microprocessor in R-19, and R-20. 2. As per the feedback, we incorporated emerging subjects like IoT, and AI in R-19, and R-20. 3. As per the suggestion, 5 elective streams like Networks, Data Engineering, Management, Security & Embedded Systems and Software Engineering were introduced as elective courses in R-19.
Faculty	<ol style="list-style-type: none"> 1. Introduce more case studies on ER models, conversion of ER model to Relational model, and normalizing database application in Database Management Systems Lab. 2. Incorporate usage of telephone and cable networks for data transmission in the Data Communications subject. 3. Suggested to include Multi-Threaded Programming, Free space management, Virtual machines, Thrashing and log-structured file in Operating Systems subject. 4. Suggested to include Schemas, Item set, Ensembling, Issues in Data Warehousing and Mining. 5. Suggested to restructure the syllabus for Computer Networks 	<ol style="list-style-type: none"> 1. After Discussion, Feedback given by the teachers was considered in Board of Studies held on 19/6/2021 and were incorporated in the syllabus of R-19, R-20.

		lab in R-19, R-20 (Annexure-I, Pg.No.39).
Alumni	1. Knowledge of dynamic coding is required from B. Tech II nd year onwards.	1. Suggestions by the alumni were considered, introduced Hacker rank and GDB compilers for Data Structures Lab in R-20.
Employers	<p>1. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills.</p> <p>2. Suggested to include advanced topics like R, Python in curriculum, as it is an on-demand course.</p> <p>3. New topics like AWS/AZURE needed to be incorporated in the curriculum to make to make the students industry ready.</p>	<p>1.1 GitHub Essentials subject was introduced as a Generalized Minor in R-20.</p> <p>1.2 GitHub Introduction was given in DevOps Lab (Elective) (Annexure-II Pg. No. 81)</p> <p>2. As suggested, we have Advanced Python, Deep Learning, Data Science, Elective Labs in our curriculum in IInd year Ist, IInd semesters in R-19, R-20.</p> <p>3. Incorporated the new topic as a case study in Cloud Computing in R-19, R-20 (Annexure-I Pg. No. 20).</p>


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Department of Chemical Engineering

Action taken report on Employers feedback on syllabus/curriculum (2019-20)

Suggestions	Action Taken
1. Industrial Safety related course as main subject.	1. Industrial safety course is included as an elective in R-19 regulations and is approved in BoS meeting on 19 th June 2021.

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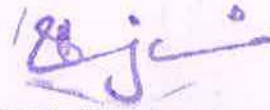
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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. Need Python programming.2. It will be helpful if C-Lab has theory.	<ol style="list-style-type: none">1. Python Programming is introduced as open elective in R19 3rd year and is approved in the BOS meeting held on 30-3-2019.2. Problem Solving with –C theory course is introduced in R19 I-year and is approved in the BOS meeting held on 30-3-2019.
Faculty	<ol style="list-style-type: none">1. C Lab: Only Lab is not enough for better understanding should include theory.2. Java Lab: Better to add Mini application development using java in lab syllabus.	<ol style="list-style-type: none">1. Problem Solving with –C theory course is introduced in R19 I-year and is approved in the BOS meeting held on 30-3-2019.2. Java Lab: Designing of mini application using java is added in the Java Lab syllabus in R19 – II year and approved in the BOS meeting held on 23-5-2020.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none">1. Python, Data Science, Block Chain2. AR and VR, Hadoop3. Cloud computing4. Machine learning, AI5. ADS6. Python7. Soft-skills8. Project implementations9. JSP, PHP, Oracle	<ol style="list-style-type: none">1. AI & ML is offered as a new program with CSE2. Data-Science is offered as a new program with CSE3. Cloud computing and ML are offered as Professional Electives R15 4th year and approved in the BOS meeting held on 28-4-2018.4. JSP, PHP are in OST LAB This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.

Employers	<ol style="list-style-type: none">1. The recruiters were positive about the student's ability to learn new things.2. Students need to be aware on the current trends.	<ol style="list-style-type: none">1. Introducing Python Programming as open elective to CSE & other departments also in R19 – III year and is approved in the BOS meeting held on 30-3-2019.2. Encouraging the students to complete MOOC courses on new trends.
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Department of Electronics and Communication Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Employers	Pratyusha J, Associate Consultant(Virtusa) suggested to include Python which is the demand coding language in the curriculum	A training program on "Problem solving skills using Python" is organized for students during 20-01-2020 to 25-01-2020(Six days) in association with Andhra Pradesh State Skill Development Corporation(APSSDC)

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Department of Electrical and Electronics Engineering

Consolidated report on Employers feedback on Curriculum and action taken on Report for the academic year 2019-2020

Stakeholder	Suggestions	Action Taken
Employers	<p>Suggested to include the following topics into the curriculum.</p> <ol style="list-style-type: none">1. Basic idea on Visualization tool.2. Good knowledge on AWS/AZURE cloud Services.3. Python coding language	<ul style="list-style-type: none">• Python coding language is included in R-19 regulations as an open elective-1 approved in the BoS held on 30th March 2019

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Department of ...Information Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year.....2019-20.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> 1. Suggested to introduce emerging subjects as mandatory courses. 	<ol style="list-style-type: none"> 1. As per the feedback, we incorporated emerging subjects like IoT, Data Analytics in R-19, R-20.
Faculty	<ol style="list-style-type: none"> 1. Reinforcement Techniques to be included in the Artificial Intelligence Syllabus. 2. Advanced topics like Iterators, Generators, Decorators, Regular Expressions to be included in Python Programming. 3. Installation of popular tools can be introduced in Analytics Lab. 4. Suggested to reduce the syllabus of Object-Oriented Analysis and Design. 5. Suggested to include a mini project for CASE Tools Lab. 6. Recommended to remove Computational Learning Theory in UNIT-IV and incorporate Neural Network Concepts in Artificial Intelligence subject. 	<ol style="list-style-type: none"> 1. After Discussion, Feedback given by the teachers was considered in Board of Studies held on 27/5/2020 and were incorporated in the coarse draft syllabus of R-19, R-20.
Alumni	<ol style="list-style-type: none"> 1. Knowledge of Soft, Quantitative & Verbal Analysis is required for getting placements. 	<ol style="list-style-type: none"> 1. Suggestions by the alumni were considered, introduced Soft Skills & QA-2 in R-20.
Employers	<ol style="list-style-type: none"> 1. Suggested to have Good Knowledge on AWS/AZURE cloud services 2. Suggested to have Basic idea on Visualization tool. 3. Suggested to have knowledge in Visualization tools like Power BI/Tableau. 4. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills. 	<ol style="list-style-type: none"> 1. As suggested, we incorporated cloud computing in IVth year Ist Semester as a professional elective in R-19. 2. As per the recommendation, basic idea of Visualization topic was included in Data Analytics (GNU Tool) subject for IVth year Ist Semester in R-15, R-19. 3. GitHub Essentials subject was introduced as a Generalized

	<ol style="list-style-type: none"> 4. Students can create a GitHub account and have their written code there so that it would help interviewers to understand the student's interest and coding skills. 5. Recommended to focus on application of each subject. 6. Students need to have applicative based learning. They need to be ready for future digital skills. 7. Suggested to include Python in curriculum, as it is the on-demand coding language 8. Suggested to encourage students to participate in online coding competitions conducted by HackerRank to help boost their confidence in coding and add more credibility. 	<p>Analytics (GNU Tool) subject for IVth year Ist Semester in R-15, R-19.</p> <ol style="list-style-type: none"> 3. GitHub Essentials subject was introduced as a Generalized Minor in R-20. 4. Data Structures subject was designed as application oriented in IInd year Ist Semester Subject in R-19, R-20. 5. As suggested, we have Python in our curriculum in IInd year Ist, IInd semesters in R-15, R-19, R-20. 6. Data Structures Lab experiments were practiced on GDB Compiler, HackerRank platforms in R-19, R-20.
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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2019-20

Stakeholder	Suggestions	Action Taken
Students	1. Gerber's theory need to be added in Design of Machine elements –I	1. Gerber's theory topic will be added in Design of Machine elements –I in 3 rd year 1 st semester R-19 regulations. This will be put up for approval of BOS.
Faculty	1. A topic on Al-Cu , Cu-Zn phase diagrams to be added in Material Science and Metallurgy	1. The suggestions given by faculty are duly considered. Al-Cu , Cu-Zn phase diagrams are added in 2 nd year 1 st semester R-19 regulations. This is approved in the BOS held on 23/05/2020 in online mode.
Alumni	1. Suggested to add Line standards & End standards in Metal cutting & Machine tools and Metrology course.	1. Considered to be presented in Academic Planning and Monitoring cell Meeting in September 2019. APMC Coordinator for necessary Action.
Employer	Name and designation of resource person: Sridhar J, project manager Infosys . The employer has given constructive suggestions to enhance the skills of the students through the following <ul style="list-style-type: none">➤ Introduce Business Communication both writing and speaking skills➤ To include subjects/topics for related Mechanical softwares.	The department will incorporate the given suggestions to enhance the quality of technology of Teaching Learning process. It has planned to introduce skill development courses which will give a hands on experience to the students using Mechanical softwares like Autocad, Solidworks and ANSYS comprehensively. The courses to be added in R-20 regulations are Engineering Graphics, Advanced Engineering Graphics and Computer aided Modelling. These subjects will be

		taught with the aid of computer. Further it has planned to introduce Python program/Data structures as open electives offered by CSE department.
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Department of Chemical Engineering

Action taken report on Employers feedback on syllabus/curriculum (2018-19)

Suggestions	Action Taken
1. Please keep C++, Java courses (or latest courses) as mandatory in the first two years of course for all engineering branches	1. Python course was made mandatory for all students offered under open elective - I to improve the basics of IT in Academic year 19-20.

A. Anil
Head of the department

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Department of Civil Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-2019

Stakeholder	Suggestions	Action Taken
Students	It is suggested to teach Engineering Mechanics in the 1st year, as some of the topics in Strength of Materials require basics of Engineering Mechanics	Accepted and Approved in the Board of Studies Meeting in March/April 2019.
Faculty	It is suggested to merge Civil Engineering Materials and Building Technology as single subject to be taught in 1 st year. Syllabus has to be prepared considering Competitive exams and present Trends in construction industry.	The subject "Building Technology" is framed as per the suggestions and placed in I year I Sem. The above said subject is Accepted and Approved in the Board of Studies Meeting in March/April 2019
Alumni	It is suggested to introduce a new course on Concrete Technology	It was already introduced in R15 syllabus in II-year II semester.
Employers	Improve coding skill to students	It has been resolved to teach Python Programming (Open Elective) in III year I semester.

Head of the department

Dr. B.N.D. Narasing Rao

ME PhD FIE FIGS

Professor & Head

Department of Civil Engineering

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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. CN: Need Security related advanced topics.2. DBMS: Include non relational database with more examples.	<ol style="list-style-type: none">1. CS: Cyber Security is offered as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.2. NOSQL Databases – offered as Professional Elective in R15 4th year and approved in the BOS meeting held on 28-4-2018
Faculty	<ol style="list-style-type: none">1. DWDM: Current industry demands ML related course, to meet industrial needs better to introduce Machine Learning as a course. So the Students can get more placements.2. AI: It is better to add new courses like Machine Learning, Neural Networks and Deep Learning to meet the current technologies.	<ol style="list-style-type: none">1. Machine Learning, Cloud Computing and Mobile Computing are introduced as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.2. NNDP: Neural Networks & Deep Learning offered as professional electives in R15 4th year and approved in the BOS meeting held on 28-4-2018.
Alumni	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none">1. Data base administration2. NOSQL Database3. HTML,CSS,SQL	<ol style="list-style-type: none">1. DBMS LAB - application based experiments are added to the lab syllabus. This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. NOSQL Databases – offered as Professional elective in R15 4th year and approved in the BOS meeting held on 28-4-2018.3. HTML, CSS – are included in OST LAB. This Lab is introduced in R15 3rd year and

		approved in the BOS meeting held on 25-3-2017.
Employers	<ol style="list-style-type: none"> 1. Recruiters from education stated that the students are strong in their domain knowledge, however communication skills need improvement. 2. Courses related to R, Python can be introduces. 	<ol style="list-style-type: none"> 1. Soft skills lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017. 2. Python Programming is offering as open elective to other departments in R15 – III year and is approved in BOS meeting held on 30-3-2019.



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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Employers	Spurthi, Manager-HR, Efftronics Systems Pvt Ltd suggested to have applicative based learning and need focus on application of each subjects and need to be ready for future digital skills.	It is resolved in Program Assessment and Quality Improvement Committee (PAQIC) meeting that Simulation based teaching and learning and assessment need to be followed for some specified courses where there is scope for acquiring digital skills.

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Department of Electrical and Electronics Engineering

Consolidated report on Employers feedback on Curriculum and action taken on Report for the academic year 2018-2019

Stakeholder	Suggestions	Action Taken
Employers	<p>Suggested to include the following topics into the curriculum.</p> <ol style="list-style-type: none">1. Nanotechnology tools and techniques.2. Industrial IoT software.3. Smart mobility Design.	<ul style="list-style-type: none">• Industrial IoT software is included in R-19 regulations as an open elective-II approved in the BoS held on 30th March 2019.

Head of the department

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Department of ...Information Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year...2018-19.....

Stakeholder	Suggestions	Action Taken
Students	1. Suggested to introduce trending topics as elective subjects.	1. As per the suggestion, 5 elective streams like Networks, Data Engineering, Management, Security & Embedded Systems and Software Engineering were introduced as elective courses in R-19.
Faculty	1. Online Compilers are recommended for Data Structures Lab to get the exposure on Coding Contests. 2. Suggested to add Wrapper Classes & Accessing Methods in Object Oriented Programming Though Java.	1. After Discussion, Feedback given by the teachers was considered and were incorporated in the syllabus of R-19 in Board of Studies held on 30/3/2019.
Alumni	1. Implementation of projects from Third year onwards will be helpful to get into industry. 2. Recommended to incorporate GitHub Fundamentals, DevOps and Cloud Computing.	1. As suggested, industry internship is divided in to two phases in R-19. 2. Suggestions by the alumni were considered by including cloud computing as a professional elective in R-19.
Employers	1. Suggested to keep C++, Java courses (or latest trend courses) as mandatory in the first two years of curriculum of Engineering.	1. As suggested, we already have C++ in II nd year 1 st semester in R-15, Object Oriented Programming using JAVA in II nd year II nd semester in R-19.

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Department of Mechanical Engineering

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2018-19

Stakeholder	Suggestions	Action Taken
Students	1. Disc brake concept need to be added in Design of Machine elements -II	1. The concept of Disc brake will be implemented in the Design of Machine elements -II course in 3 rd year 2 nd semester R-19 regulations.
Faculty	1. Title to be modified based on syllabus in Engineering Thermodynamics-1	1. By observing the syllabus unit wise the name of the subject changed from Engineering Thermodynamics-1 to Basic Thermodynamics in 2 nd year 1 st semester R-19 regulations.
Alumni	1. As Present jobs are more inclined towards software, new courses related to programming can be implemented in the curriculum.	1. Considered to be presented in Academic Planning and Monitoring cell Meeting in October 2018. APMC Coordinator for necessary Action.
Employer	<p>Name and designation of resource person: Hanuma Prasad Narahari senior project manager Infosys limited. The employer has suggested to look into the feasibility of includes the following subjects</p> <ul style="list-style-type: none"> ➤ Nano technology ➤ Smart Manufacturing ➤ Agricultural Engineering ➤ Alternative/Renewable and sustainable energy engineering <p>Further the employer suggested introducing cross discipline elective courses and also including c++, Java or</p>	<p>Considering the invaluable suggestions, the department in a right earnest wise develop the R-19 curriculum. The department will introduce the following courses as professional electives</p> <ul style="list-style-type: none"> ➤ Additive Manufacturing ➤ Automation in Manufacturing <p>These two courses are in line with the subject of Smart Manufacturing. Further a professional elective course on Nanotechnology is also be incorporated in the curriculum to be developed.</p>

	any other latest computer language in the engineering curriculum.	
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Department of Chemical Engineering

Action taken report on Employer feedback on syllabus/curriculum (2017-18)

Suggestions	Action Taken
1. Mathematical modeling related to design concepts to be implemented	1. Process Modelling and Simulation course is made as a compulsory course in IV year I Semester in R-15 regulations and is approved in the BoS meeting held on 30 th March 2019.

Head of the department

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Department of CSE

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none">1. CA: Include case study2. IP: Need practical examples.3. CNS: Required case studies.	<ol style="list-style-type: none">1. CA: Intel core i7, IBM 360, ARM Cortex A-8 case studies are added at end of each unit, it is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. IP is revised as DIP and offered as elective in R15 3rd year and approved in the BOS meeting held on 25-3-2017.3. CNS: Case Studies are added and is this course introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.
Faculty	<ol style="list-style-type: none">1. DCNP- The concepts of hyper terminal, dial-up networking should be replaced with new concepts of networking tools as this curriculum doesn't include latest topics2. CN: The course Mobile Computing is recommended for students to increase their employability skills. Due to high market demand in this area, this course is advisable to introduced.	<ol style="list-style-type: none">1. DCNP LAB: Removed old technology DC programs and added simulator based NP programs to the CNLA. This Lab is introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017.2. Mobile Computing course is introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.

<p>Alumni</p>	<p>The Alumni suggest the following courses in the curriculum:</p> <ol style="list-style-type: none"> 1. J2EE, Raptor, Machine Learning 2. Advanced Programming Language 3. Advanced explorations of subjects 	<ol style="list-style-type: none"> 1. Machine Learning introduces as professional elective in R15 4th year and approved in the BOS meeting held on 28-4-2018. 2. Suggesting the students to enroll for Python MOOC course. 3. Advanced Data Structures introduced in R15 3rd year and approved in the BOS meeting held on 25-3-2017
<p>Employers</p>	<ol style="list-style-type: none"> 1. Employers highlighted the importance to improve upon the domain knowledge to meet the emerging societal needs. 	<ol style="list-style-type: none"> 1. Digital Image processing is considered to offer as a professional electives in R15 3rd year and approved in the BOS meeting held on 25-3-2017 2. New Courses like Big-Data Analytics, Soft Computing and Cryptography & Network Security introduced in R15 4th year and approved in the BOS meeting held on 28-4-2018.



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Department of Electronics and Communication Engineering Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Employers	Praveen Kumar T, Divisional Engineer, Transmission core network, BSNL, Vizianagaram, suggested to include course software Defined radio for 3G	In R-15 4 th year II-Semester, course Software defined radio is introduced as one of the professional electives as suggested and approved in 4 th BOS meeting held on 28.04.2018

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Department of Electrical and Electronics Engineering

Consolidated report on Employers feedback on Curriculum and action taken on Report for the academic year 2017-2018

Stakeholder	Suggestions	Action Taken
Employers	<p>Suggested to include the following topics into the curriculum.</p> <ol style="list-style-type: none">1) Practical oriented programs2) Courses related to automation features / Grid connectivity.	<ul style="list-style-type: none">• Process control and automation course is included in R-19 regulations as an professional elective-VI approved in the BoS held on 30th March 2019.

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Department ofInformation Technology.....

Consolidated report on feedback and action taken on syllabus/curriculum for the academic year...2017-18.....

Stakeholder	Suggestions	Action Taken
Students	<ol style="list-style-type: none"> Suggested to introduce Testing topic in UML Suggested to replace Technology management, Intellectual Property Rights subjects with any other trending subject. Suggested to combine Digital Electronics and Computer Organization experiments 	<ol style="list-style-type: none"> Changes were made in the suggested subject for R-19. Analysis was done and the necessity of changes were forwarded for discussion in Board of Studies held on 25/3/2017, and were incorporated in the course structure of R-19. As suggested, both DLD and CO were combined and incorporated in R-19.
Faculty	<ol style="list-style-type: none"> Suggested to add Php and advanced concepts in Web Technology subject. Try to revise the concepts like Memory management which is common for both Operating Systems, Computer Organization subjects. Suggested to integrate Formal Languages and automata Theory and Compiler Design subjects so that scope can be given for inclusion of latest subjects. 	<ol style="list-style-type: none"> After Discussion, Feedback given by the teachers was considered and reflected in corresponding subjects for R-19. As suggested, integrated both subjects in R-19.
Alumni	<ol style="list-style-type: none"> Industry requires practical exposure, so make an effort to incorporate more labs. 	<ol style="list-style-type: none"> Suggestions by the alumni were finalized in Board of Studies held on 25/3/2017 and incorporated elective labs like ETL, DevOps and Advanced Java in R-19.
Employers		

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Department of Mechanical Engineering


Consolidated report on feedback and action taken on syllabus/curriculum for the academic year 2017-18

Stakeholder	Suggestions	Action Taken
Students	1. It is suggested to rename the Theory of Machines-II as Dynamics of Machinery	1. The suggestion is good enough and will be implemented in the R-19 regulations.
Faculty	1. Gas power Cycles and their analysis has to be included in Engineering Thermodynamics-III 2. Belt drives topic has to be added in Design of Machine elements -II	1. The suggestion is well received by including the Gas power Cycles and their analysis in 3 rd year 2 nd semester R-15 regulations. This is approved in the BOS held on 25/03/2017. 2. The syllabus is modified by including Belt drives topic in 3 rd year 2 nd semester R-15 regulations. This is approved in the BOS held on 25/03/2017.
Alumni	1. Fluid Mechanics syllabus is vast and requires a review to reduce the contents if possible. 2. software's like CREO has to be introduced in the curriculum.	1. The syllabus of Fluid mechanics was reviewed in Academic Planning and Monitoring cell Meeting in October 2017 and it was decided to merge Fluid Mechanics & Hydraulic Machinery while designing the course structure of upcoming regulations. 2. The suggestion to introduce CREO software as a part of CAD subject was discussed in Academic Planning and Monitoring cell Meeting in October 2017. It was felt that since CAD subject has all the contents required it will not be possible to include this. However it was suggested that training on CREO software can be done through workshops taking the assistance of agencies like APSSDC.

<p>Employer</p>	<p>Name and designation of resource person: Devendra Vara Prasad Sesetti, Assistant Manager, Hyundai Motors. The employer has suggested to incorporate Finite Element Analysis, Robotics, Automation in Manufacturing and Electronics related courses in curriculum.</p>	<p>Based on the valuable feedback given by the employer it is decided in the department meeting that the following subjects will be included as professional elective/open electives</p> <ul style="list-style-type: none"> ➤ Automation in Manufacturing ➤ Robotics ➤ Python/Java programming <p>It is also decided to include a basic subject on Electronics in the first year itself in R-19 regulation. The fundamentals learned through this course will be useful in learning advanced subjects like Automation in Manufacturing, Robotics and Mechatronics.</p>
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